

USSR/General Problems of Pathology - Tumors. Comparative Oncology. U
Human Neoplasms.

Abs Jour : Ref Zhur Biol., No 1, 1959, 4229

Author : Terent'yeva, E.I., Zosinovskaya, A.I., Kazanova, L.I.

Inst : -

Title : Cytochemical Investigations of the Elements of Hemopoie-
sis. I. The Content of Fat, Glycogen and Nucleinic
Acid in the Blood Cells and in the Bone Marrow of Heal-
thy Humans and Those Suffering from Leukoses

Orig Pub : Probl. gematol. i pereliivaniya krovi, 1957, 2, No 5,
24-31. 64.

Abstract : Drops of fat within the cells of the bone marrow (BM)
of healthy subjects are contained in the form of traces
only in single myelo- and metamyelocytes, in occasional
mature granulocytes and in lymphocytes. They are demons-
trated in moderate amounts in leudocytes of the periphe-
ral blood. The glycogen content in the hemopoietic

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cells increases gradually as they mature, reaching a maximum in the mature granulocytes. Gradual disappearance of glycogen from the granules is observed in the eosinophils as the cells mature. Within the erythroblasts glycogen found in the form of traces in a small number of normoblasts only. Thrombocytes contain glycogen in the form of blocks. Ribonucleic acid (RNA) in healthy subjects is contained in the greatest amount in the cytoplasm of proerythroblasts, erythroblasts and hemocyto blasts; in the process of maturation of the cells the content of RNA decreases, and the content of desoxynucleic acid (DNA) in the nuclei increases. In patients with acute and subacute reticulosis (11) and hemocytoblastosis (11) a decrease of the fat content (in comparison with normal values) is noted in the hemopoietic cells: their fat content is increased in chronic myelosis (CM)

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and lymphadenosis (CL) (14, 13,). The glycogen content in the hemopoietic cells is decreased without relation to the form of the illness. As the condition of the patient becomes impaired an increase of the fat content and a decrease of glycogen is observed in the blood cells and in the cells of the bone marrow. In the acute and subacute course of the disease the decrease of the quantity of nucleic acids particularly of RNA is observed in the hemopoietic cells. With impairment of the condition a decrease of the value of DNA and RNA is often observed; with improvement some increase of the nucleic acids is observed in the hemopoietic cells. In OM and CL the content of RNA is decreased, and DNA fluctuates within a small range as compared with normal. The content of DNA in the hemopoietic cells is inconstant in CL. The content of nucleic acids increases with the

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U

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improvement of the condition of patients with chronic
leukosis in the majority of cases. - R.P. Zolotnit-
skaya

Card 4/4

TERENT'YEVA, E.I., doktor biolog.nauk; MOKEYEVA, R.A.

Effect of certain chemical preparations on hemopoietic elements in tissue culture. Probl.gemat.i perel.krovi 4 no.9:29-35 S '59.

(MIRA 13:1)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivan-ya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR.

(MARROW pharmacol.)

(ANTINEOPLASTIC AGENTS pharmacol.)

TERENT'YEVA, M.I.; ZOSIMOVSKAYA, A.I.; KAZANOVA, L.I.; FAYNSHTEYN, F.E.

Cytochemical studies in leukemia. Probl.gemat.i perel.krovi 4 no.11:
39-49 N '59. (MIRA 13:3)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i pereli-
vaniya krovi (direktor - deystvitel'nyy chlen AN SSSR prof. A.A.
Bagdasarov) Ministerstva zdravookhraneniya SSSR.
(LEUKEMIA chemistry)

USSR/General Biology. General Histology.

B-3

Abs Jour: Ref Zhur-Biol., No 20, 1958, 90334.

Author : Abdullayev, G.M., Dul'tsin, M.S., Terent'yeva, E.I.,
Faynshteyn, F.E.

Inst :

Title : Thrombocytes Studied with the Electron Microscope.

Orig Pub: Byul. eksperim. biol. i med., 1957, 44, No 10, 114-116
(res. Eng.)

Abstract: The thrombocytes (T) of healthy humans and those afflicted with leukemia and aplastic and hypoplastic anemia were studied with an electron microscope having a magnification of 7000 X. In the center of the T of healthy individuals one distinguishes a grainy granule and on the periphery a hyalomere consisting of a net of intertwining fibrils, forming numerous projections, branchings

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USSR/General Biology. General Histology.

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Abs Jour: Ref Zhur-Biol., No 20, 1958, 90334.

and pseudopods. The T of those afflicted with aplastic and hypoplastic anemia were conspicuously distinguished either by the complete absence or a very small number of branchings and pseudopods, a smoother surface, and effaced boundaries between the granulocytes and hyalomeres. The great number of vacuoles inside the lamina is proof of their degenerative changes. Substantial degenerative changes also characterize the T of those afflicted with leukemia. The authors think that these findings may prove highly significant in understanding the mechanism of the development of hemorrhages which accompany these diseases. -- A.M. Karpas.

Card : 2/2

TERENT'YEVA, E.I., FAYNSHTEYN, F.E.

Experimental study of the action of certain drugs on hemopoietic cells in tissue culture [with summary in English]. Pat.fiziol. i eksp.terap. 2 no.4:43-48 J1-Ag '58 (MIRA 11:12)

1. Iz tsitologicheskoy laboratorii (zav. - doktor biologicheskikh nauk E.I. Ternt'yeva) i gematologicheskoy kliniki (zav. - prof. M.S. Dul'tsin) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov):

(ANEMIA, APLASTIC, physiol.

eff. of vitamin B group of hemopoietic cells in tissue culture (Rus))

(VITAMIN B COMPLEX, eff.

on hemopoietic cells in tissue culture in aplastic anemia (Rus))

KAZANOVA, L.I., TEREENT'YEVA, E.I., FAYSHTEYN, F.E. (Moskva)

Phosphatase in the blood cells and bone marrow in leukemia
and hypoplastic anemia. Klin.med. 36 no.7:129-134 J1 '58
(MIRA 11:11)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov).

(PHOSPHATASE, determ.

blood cells & bone marrow in leukemia & hypoplastic
anemia (Rus))

(LEUKEMIA, metab.

phosphatases in blood cells & bone marrow (Rus))

(ANEMIA, APLASTIC, metab.

same (Rus))

RUTBERG, R.A.; TERENT'YEVA, B.I.

Preservation of viable concentrated leukocytes [with summary in English, pp.62-63]. Probl.gemat. i perel.krovi 4 no.2:50-54 F '59.
(MIRA 12:2)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i pereli-vaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bag-dasarov) Ministerstva zdravookhraneniya SSSR.
(BLOOD PRESERVATION,

leukocytic mass, preserv. of viability (Rus))

TERENT'YEVA, E.I.; ZOSIMOVSKAYA, A.I.; KAZANOVA, L.I.; TOTSKAYA, A.A.

Cytochemical investigation of the elements of hemopoiesis.

TSitologiya 2 no.4:412-427 J1-Ag '60.

(MIRA 13:9)

1. Tsentral'nyy institut reumatologii i perelivaniya krovi Ministerstva zdravookhraneniya SSSR, Moskva.

(HEMOPOIETIC SYSTEM)

TERENT'YEVA, E.I., prof.; KAZANOVA, L.I.; FAYNSITEYN, F.E.

Oxidative enzymes in blood cells and bone marrow in leukemia and hypoplastic anemia. Probl. gemat. i perel. krovi 5 no.2:3-8 7 '60.
(MIRA 14:5)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Bagdasarov) Ministerstva zdravookhraneniya SSSR.

(OXIDASE) (LEUKEMIA) (ANEMIA)
(MARROW) (BLOOD CELLS)

TERENT'YENVA, N.I., prof.; FAYNSHTAYN, F.M., kand.med.nauk

White blood. Zdorov'e 6 no.3:9-10 Mr '60.
(LEUKOCYTES)

(MIRA 13:5)

TERENT'YEVA, E.I.; OSECHENSKAYA, G.V. (Moskva)

"Toxic" properties of the plasma from leukemia patients. Pat.
fiziol. i eksp. terap. 5 no.2:18-21 Mr-Apr '61. (MIRA 14:5)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi Ministerstva zdravookhraneniya SSSR (dir. - deystvitel'nyy
chlen AMN SSSR prof. A.A.Bagdasarov).
(LEUKEMIA)

KRASHILINA, A.Ya.; TERENT'YEVA, E.I.; KORETSKAYA, T.I.; ZARETSKIY, I.I.
(Moskva)

Experimental investigations of the general toxic and antileukic
action of the antibiotic 6270. Pat. fiziol. i eksp. terap. 5 no.2:
21-26 Mr-Apr '61. (MIRA 14:5)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi Ministerstva zdravookhraneniya SSSR (dir. - deystvitel'nyy
chlen AMN SSSR prof. A.A.Bagdasarov).
(ANTIBIOTICS) (LEUKEMIA)

ZARETSKIY, I.I.; KRASHILINA, A.Ya.; TERENT'YEVA, E.I.; KORETSKAYA, T.I.

Study of the action of some antineoplastic antibiotics on mouse leukemia. Vop.onk. 7 no.11:68-75 '61. (MIRA 15:5)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi Ministerstva zdravookhraneniya SSSR (dir. - deystv. chl. AMN SSSR prof. A.A. Bagdasarov).
(LEUKEMIA) (ANTIBIOTICS) (CYTOTOXIC DRUGS)

TERENT'YEVA, E.I.

Studying cellular elements of hemopoiesis in tissue cultures exposed to the action of substances inhibiting free radical reactions. Dokl. AN SSSR 138 no.2:448-449 My '61. (MIRA 14:5)

1. Tsentral'nyy institut gematologii i perelivaniya krovi. Predstavleno akademikom N.N.Semenovym.

(CANCER RESEARCH) (HEMOPOIETIC SYSTEM)

TERENT'YEVA, E.I., prof.; ZOSIMOVSKAYA, A.I.; KAZANOVA, L.I.;
SUKYASYAN, G.V.

Cytochemical study of hematopoietic elements in radiation injury.
Probl.gemat.i perel.krovi no.3:47-52 '62. (MIRA 15:3)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i pereli-
vaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.
Bagdasarov [deceased]) Ministerstva zdravookhraneniya SSSR.
(RADIATION SICKNESS) (HEMATOPOIETIC SYSTEM)

KRASHILINA, A.Ya.; TERENT'YEVA, E.I.; ZARETSKIY, I.I. (Moskva)

Antileukemic activity of antibiotic 6613. Pat. fiziol. i
eksp. terap. 6 no.1:59-62 Ja-F '62. (MIRA 15:3)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i
perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR
prof. A.A. Bagdasarov [deceased]).

(LEUKEMIA)

(ANTIBIOTICS)

(CYTOTOXIC DRUGS)

KAZANOVA, L.I.; TERENT'YEVA, E.I. (Moskva)

Succinic dehydrase in the blood cells and bone marrow in healthy subjects and patients with leukemia. Arkh.pat. 24 no.5:34-39 '62.
(MIRA 15:5)

1. Iz tsitologicheskoy laboratorii (zav. - prof. E.I. Terent'-yeva) i gematologicheskoy kliniki (zav. - prof. M.S. Dul'tsin) Tsentral'nogo ordena Lenina instituta gematologii i perelivaniy krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov [deceased]) Ministerstva zdravookhraneniya SSSR.
(SUCCINIC DEHYDROGENASE) (BLOOD CELLS) (MARROW)
(LEUKEMIA)

TERENT'YEVA, E.I., prof.; TOTSKAYA, A.A.; LORIYE, Yu.I.

Electron microscopic changes in the thrombocytes in hemorrhagic thrombasthenia and thrombocythemia. Probl. gemat. i perel. krovi 8 no.11:33-41 N '63. (MIRA 17:12)

1. Iz tsitologicheskoy laboratorii (zav.- prof. E.I. Terent'yeva) i gematologicheskoy kliniki (zav.- prof. M.S. Dul'tsin) Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (direktor - dotsent A.Ye. Kisilev).

TERENT'YEVA, E.I., prof.; KRASTOSHEVSKAYA, T.G.; ORLOVA, L.D.

Study of the electron microscopic structure of hematopoietic tissue cells. Report No.2: Hemocytoblasts in acute leukemia. Probl. gemat. i perel. krovi no.2:3-14 '65.

(MIRA 18:11)

1. TSitologicheskaya laboratoriya (zav. - prof. E.I.Terent'yeva)
i gematologicheskaya klinika (zav. - prof. M.S.Dul'tsin)
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir. - dotsent A.Ye.Kiselev), Moskva.

LEBEDEV, Ya.S.; TIKHOMIROVA, N.N.; VOYEVODSKIY, V.V., otv. red.:
TERENT'YEVA, E.N., redaktor

[Atlas of electron paramagnetic resonance spectra] Atlas
spektrov elektronnoy paramagnitnoy rezonantsa. Moskva,
Izd-vo "Nauka." No.2. [Theoretically calculated symmetrical
spectra with a complex hyperfine structure] Teoreticheskie
rasschityannyye simmetrichnyye spektry so slozhnoy sverkh-tonkoy
strukturou. 1964. 197 p. (MIRA 17:7)

1. Akademiya nauk SSSR. Institut khimicheskoy fiziki. 2. La-
boratoriya khimicheskoy radiospektroskopii Instituta khimi-
cheskoy fiziki AN SSSR (for Lebedev).

KLIONSKIY, Ye.Ye.; TIRMENT' YEVA, G.M.

Causes of ineffectiveness in treating pulmonary tuberculosis
with antibiotic preparations. Trudy ISGMI 37:239-252 '53.
(MIRA 12:8)

1. Klinika tuberkuleza Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.klinikoy - prof. Ye.Ye. Klionskiy).

(TUBERCULOSIS, PULMONARY, ther.
antibiotics, causes of failure (Rus))
(ANTIBIOTICS, ther.use
tuberc., pulm., causes of failure (Rus))

TERENT'YEVA, G.M.

Epidemiological characteristics of tuberculosis patients in two sectors of Oktyabr' District in Leningrad in 1954. Trudy ISGMI 45:88-94 '58 (MIRA 11:11)

1. Kafedra epidemiologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. V.A. Bashenin). (LENNINGRAD--TUBERCULOSIS)

TERENT'YEVA, G.M.

Functional hepatic changes in pulmonary tuberculosis patients
treated with antibacterial preparations. Trudy ISGMI 72:115-122
'63. (MIRA 17:4)

1. Klinika legochnogo tuberkuleza Leningradskogo sanitarno-gigye-
nicheskogo meditsinskogo instituta.

DASHEVSKIY, M.M., kand. khim. nauk, dotsent; TERENT'YEVA, G.N.

Nitration of some aromatic hydrocarbons. Report No.1.
Nauch. zap. Od. politekh. inst. 40:91-94 '62.

(MIRA 17:6)

1. Predstavlena kafedroy "Organicheskaya Khimiya" Odesskogo
politekhnicheskogo instituta.

PETRENKO, G.P.; TERENT'YEVA, G.N.

Determination of fluorenone and phthalic acid in the product of
vapor-phase oxidation of fluorene. Zhur.anal.khim, 18 no.8:
1012-1015 Ag '63. (MIRA 16:12)

1. Odessa Polytechnical Institute.

PETRENKO, G.P.; TERENT'YEVA, G.M.

Oxidation of acenaphthene to naphthalic anhydride and fluorene
to fluorenone on ferric vanadate. Zhur. prikl. khim. 38 no.5:
1109-1113 My '65. (MIRA 18:11)

1. Odesskiy politekhnicheskii institut.

TERENT'YEVA, G.V., assistant

Veins in the dorsal side of the human wrist. Sbor.nauch.
trud.Vin.der.med.inst. 18 no.1:54-64 '58. (MIRA 16:2)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk,
prof. V.G. Ukrainskiy) Vmitskogo gosudarstvennogo meditsinskogo
instituta.

(WRIST—BLOOD SUPPLY)

TERENT'YEVA, G.V., assistant

Veins in the palmer side of the human wrist. Sbor.nauch.trud.
Vn.der.med.inst. 18 no.1:65-71 '58. (MIRA 16:2)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk,
prof. V.G. Ukrainakiy) Vnitskogo gosudarstvennogo meditsinskogo
instituta.

(WRIST--BLOOD SUPPLY)

TERENT'YEVA, G.V., assistant

Anatomy of wrist veins in some vertebrates. Sbor.nauch.trud.
Vip.der.med.inst. 18 no.236-11 '58. (MIPA 1632)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk,
prof. V.G. Ukrainskiy) Vimmitskogo gosudarstvennogo meditsinskogo
instituta.

(WRIST--BLOOD SUPPLY) (VERTEBRATES--ANATOMY)

TERENT'YEVA, G.V., assistant

Two cases of vigorous development of the median artery in the forearm. Sbor.nauch.trud.Vin.der.med.inst. 18 no.2:124-128
'58. (MIRA 16:2)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk, prof. V.G. Ukrainskiy) Vinnitskogo gosudarstvennogo meditsinskogo instituta.
(ARM—BLOOD SUPPLY) (ARTERIES—ABNORMALITIES AND DEFORMITIES)

TERENT'YEVA, G. V., Cand. Medio. Sci. (diss) "On Anatomy of
Veins of Cyst of Man and Some Vertebrate Animals," Odessa,
1961, 16 pp. (Odessa Med. Inst.) 400 copies (KL Supp 12-61,
289).

4-Nitro-2-hydroxybenzenesulfonic acid. G. A. Kuratov and I. V. Terent'eva. Russ. 51,422, July 31, 1957. The reaction mixt. obtained by diazotization of dimethaniline and treatment of the diazo compd. with an alk. soln. of As_2O_3 is acidified and filtered, and to the filtrate are added NH_4OH and a acid. soln. of NH_4Cl and MgCl_2 . The mixt. is boiled, the NH_4Mg salt of nitrohydroxybenzenesulfonic acid is dild. and decompcd. with HCl , and the free acid purified in the usual manner.

TERENTJEWA, I. V

"Sur la condensation des alcools avec les hydrocarbures aromatiques en presence du chlorure d'aluminium. Communication IV." Tzoukerwanik, I. P. et Terentjew, I. (p. 637)

SO: Journal of General Chemistry (Zhurnal Obsheei Khimii). 1937, Volume 7, No. 3-4.

PROCEDURES AND PROPERTIES INDEX									
<p>The condensation of aromatic compounds with acids.</p> <p>I. Condensation with hydrocarbons, phenol and phenols. I. Tarkenton and I. Tarkenton, <i>J. Gen. Chem.</i> (U. S. S. R.) 10, 1103-7 (1937). — Iso-BuCO₂H (30 g.) in 100 cc. PhMe was treated with small portions of AlCl₃ (total 75 g.). After adding all the AlCl₃, the reaction mixt. was allowed to stand for 12 hrs. and then was heated in a water bath for 5-6 hrs. <i>p</i>-Methylisovalcrophenone, obtained in 72% yield, b. 251-5°, b. 137°, d₄²⁰ 0.9374, n_D²⁰ 1.4863, MR_D 54.39; semicarbazone, m. 215-16°; oxime, 65°. Oxidation of the product with 10 parts of 5% HNO₃ in a sealed tube for 10 hrs. yielded <i>p</i>-MeC₆H₄CO₂H. Condensation of PrCO₂H in PhMe in the presence of AlCl₃ under the same conditions yielded <i>p</i>-methylbutyrophenone (72.5%), b. 218-50°, d₄²⁰ 0.9000, n_D²⁰ 1.5233, MR_D 51.20; semicarbazone, m. 210-10°. On the oxidation of the product <i>p</i>-MeC₆H₄CO₂H was sepd. Under the same conditions EtOPh condensed with iso-BuCO₂H in the presence of AlCl₃, yielding <i>p</i>-ethoxyisovalcrophenone (82%), b. 133-7°, d₄²⁰ 1.0400, n_D²⁰ 1.5332, MR_D 61.01 (semicarbazone, m. 191-2°; oxime, m. 118-19°); and <i>p</i>-hydroxyisovalcrophenone (9%), m. 95-6°. Phenacetole with PrCO₂H yielded <i>p</i>-ethoxybutyrophenone (76%), b. 129°, n_D²⁰ 1.5390, MR_D 57.03 (semicarbazone, m. 181°; oxime, m. 103-4°), and <i>p</i>-hydroxybutyrophenone, m. 91-2° (semicarbazone, m. 167-9°; oxime, m. 83-4°). The condensation of PhOH with iso-BuCO₂H in C₆H₆ under the same conditions yielded <i>p</i>- and <i>o</i>-hydroxyisovalcrophenones (total yield 63%); the <i>o</i>-deriv. b. 246-50°, d₄²⁰ 1.0197, n_D²⁰ 1.5126, MR_D 52.99.</p> <p style="text-align: right;">A. A. Podgorov</p>									
<p>ADD. 6.6 METALLURGICAL LITERATURE CLASSIFICATION</p>									

02

10

Activity of halogen in organic compounds in Friedel-Crafts syntheses. 1. Condensation of ethyl esters of aliphatic halogen-substituted acids with benzene. I. P. Tsukervanik and I. V. Terent'eva. *Doklady Akad. Nauk S.S.S.R.* 90, 287-80(1945).--The position of Cl determines the nature of the products from the Friedel-Crafts reaction of C_2H_5 with esters of halo aliphatic acids; the activity of Cl rises with increased distance from the COO group. C_2H_5 (100 ml.), 40.5 g. EtO_2CCH_2Cl , and 68 g. $AlCl_3$, after standing 24 hrs., boiling 1.5 hrs., and heating 5 hrs. on a steam bath, gave 70% mixed hydrocarbons from which $EtPh$, a mixt. of isomeric $Et_2C_2H_5$, and 1,2,4- $Et_3C_6H_3$ were isolated: the latter gave 1,2,4- $C_6H_3(CO_2H)_3$, m. 215-18°, after oxidation by HNO_3 at 105-70°. C_2H_5 (100 ml.), 34 g. $EtO_2CCH_2CH_2Cl$, and 70 g. $AlCl_3$, after 24 hrs. standing and 6 hrs. at 60°, gave 60% $PhCH_2CH_2CO_2H$ (m. 49°, b. 261°), 7 g. $EtPh$, and 12 g. $PhCOCH_2CH_2Cl$ (b. 255-65°, n_D^{20} 1.5812, d_4^{20} 1.0803); merely letting the mixt. stand 14 days gave only 74% $PhCH_2CH_2CO_2H$ and $EtPh$. C_2H_5 (50 ml.), 9 g. $EtO_2C(CH_2)_3Cl$, and 20 g. $AlCl_3$, let stand 30 hrs., kept 17 hrs. at 60-70°, and boiled 3 hrs. gave 2 g. $EtPh$, 4 g. $Ph(CH_2)_3CO_2H$, m. 51°, and 4.5 g. 3,4-dihydro-1(2H)-naphthalenone, b.p. 132-4°, n_D^{20} 1.5036, d_4^{20} 1.0685. G. M. Kosolapoff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

TERENT'YEVA, I. V.

PA 247T8

USSR/Chemistry - Hydroxyalkylation

21 Sep 52

"Hydroxyalkylation of Aromatic Compounds With 1,3-Butanediol," I. V. Terent'yeva and I. P. Tsukervanik, Central Asiatic U

DAN SSSR, Vol 86, No 3, pp 555-558

The possibility of the hydroxyalkylation of aromatic compds with 1,3-butanediol and 1,3-butyleneglycol was demonstrated. 3-phenylbutanol-1, 3-p-tolylbutanol-1, 3-p-(o-xyl-yl-)butanol-1, 3-p-chlor-phenylbutanol-1, were prepd from the glycol and benzene, toluene, o-xylene, and chlorobenzene respectively. Presented by Acad V. M. Rodionov
17 Jul 52

247T8

TERENT'YEVA, I. V.

AUTHORS: Terent'yeva, I. V., Lazur'yevskiy, G. V. 79-11-54/56

TITLE: Investigations of the Alkaloids of Carex Brevicollis D. C.
(Issledovaniye alkaloidov iz carex brevicollis D. C.).

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 11,
pp. 3170-3173 (USSR)

ABSTRACT: Among the numerous Cyperaceae the poisonous Carex
brevicollis D. C. which also grows on the shores of the
Black Sea has chemically not been thoroughly investigated.
The plants of this genus were hitherto not considered
alkaloid-containing. The authors found that some species
of Cyperaceae (C. brevicollis D. C., C. Michxii Host,
C. pilosa Scop) possess alkaloids and that these are new
compounds hitherto not described in publications. The object
of the present paper is the investigation of Carex
brevicollis D. C., a sedge. The total quantity of bases of
this plant is extracted with dichloroethane, or the plant
mass is treated with a weak sulfuric acid solution, where
upon a brownish powder difficult to dissolve in water
manifests itself. The total yield of alkaloids, calculated
on the basis of the dry initial product, amounts to 0,5 %.

Card 1/2 The main alkaloid of the name of Brevicollin is from the bases

Investigations of the Alkaloids of *Carex Brevicollis* D. C. 79-11-54/56

accompanying it separated by recrystallization with methanol and finally purified with hydrochloride. It is a white crystalline substance, optically inactive and melts at 223-224°C. It is represented by the formula $C_{17}H_{19}N_2$. Its salts and derivatives crystallize well. The character of the absorption curves in the ultraviolet part of the spectrum indicates an alkaloid which must be classified with the complicated compounds of the indol series, which fact could also be proved by the varicolored reactions proper to the indol alkaloids. There are 3 figures, 1 table, and 5 references, 3 of which are Slavic.

ASSOCIATION: Kishinev State University (Kishinevskiy gosudarstvennyy universitet)

SUBMITTED: October 15, 1956

AVAILABLE: Library of Congress

Card 2/2 1. *Carex Brevicollis* D. C. - Alkaloid separation
 2. Alkaloids - Sources 3. Dichloroethane - Applications

5(0)

SOV/63-4-2-25/39

AUTHORS: Lazur'yevskiy, G.V., Professor, ~~Tarant'yeva, I.V.~~ Candidate of Chemical Sciences

TITLE: Conference on the Chemistry of Plant Substances

PERIODICAL: Khimicheskaya nauka i promyshlennost', 1959, Vol 4, Nr 2, pp 273-274 (USSR)

ABSTRACT: In September 1958 a scientific Conference on the chemistry of plant substances was held in Kishinev by the VKhO imeni Mendeleev together with the Moldaviya branch of the AS USSR and the Kishinev State University. It was attended by scientists from the institutes organicheskoy khimii (Organic Chemistry), biokhimii (Biochemistry), fiziologii rasteniy (Physiology of Plants) of the AS USSR, khimicheskaya laboratoriya Botanicheskogo instituta AN SSSR (Chemical Laboratory of the Botanic Institute of the AS USSR, Moskovskiy institut tonkoy khimicheskoy tekhnologii (Moscow Institute of Fine Chemical Technology), Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut (All-Union Scientific Research Chemical-Pharmaceutic Institute), VNIISNDV, VILAR, Institut organicheskoy khimii AN USSR (Institute of Organic Chemistry of the AS UkrSSR), Institut khimii prirodnaykh soyedineniy AN

Card 1/3

Conference on the Chemistry of Plant Substances

SOV/63-4-2-25/39

UzSSR (Institute of the Chemistry of Natural Compounds of the AS Uzbek SSR) and others. President of the Gosplan of the Council of Ministers of the Moldaviya SSR, N.G. Chorb, opened the Conference with report: "On the Perspectives of Industrial Development of Moldaviya for 1959 - 1965". Professor N.A. Preobrazhenskiy presented a paper on the state of the chemistry of natural compounds, his coworkers R.P. Yevstigneyeva and I.K. Sarycheva on syntheses in the series of indole alkaloids; Academician of the AS Uzbek SSR, A.S. Sadykov on the complex chemical investigation of the cotton plant; M.N. Zaprometov and A.R. Guseva on new data of the biogenesis of complex organic substances in plants; Doctor V. Gerout (Prague) on research in the field of sesquiterpenes carried out in the laboratory headed by F. Sorn; T.M. Orgiyan and D.P. Popa on synthetic work carried out in the Department of Organic Chemistry of the Moldaviya Branch of the AS USSR; A.D. Kuzevkov, A.S. Labenskiy, O.S. Madayeva on the structure of aconite alkaloids and the use of gluco-alkaloids and saponines in the synthesis of steroid hormones; N.K. Abubakirov on the study of the glycosides of jute; N.P. Kir'yalov on the structure of galbanum acid found in ferula plants;

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Conference on the Chemistry of Plant Substances

SOV/63-4-2-25/39

V.V. Arasimovich and S.V. Baltaga on the pectin substances of the fodder melon; Professor A.V. Ablov and D.G. Batyr on a more exact micromethod for determining reducing sugars.

Card 3/3

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3(5) 15(6)

p. 3

PHASE I BOOK EXPLOITATION

80V/1254

Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh nauk

Boksity, ikh mineralogiya i genezis (Mineralogy and Origin of Bauxites)
Moscow, Izd-vo AN SSSR, 1958. 488 p. 2,200 copies printed.

Compiler: Dolgoplov, N.N.; Chief Ed.: Strakhov, N.M., Academician;
Resp. Ed.: Bushinskiy, G.I.; Ed. of Publishing House: Nosov, G.I.;
Tech. Ed.: Polenova, T.P.

PURPOSE: The book is intended for scientists working in geology and associated fields, and managers of industrial and engineering concerns.

COVERAGE: This collection of articles by various authors on the mineralogy and geochemistry of bauxites appeared as a result of a 1955 conference on the origin of bauxite (Chairman, Academician N.M. Stakhov). The conference discussed the genetic theories propounded by various scientists, underlining the weakness of L.S. Berg's biochemical theory and the hydrothermal theories developed by some French scientists. The majority of Soviet geologists appear to be in accord with the sedimentary origin theory. The book discusses problems on the origin of bauxite and describes some deposits found in the USSR. Each article is accompanied by Soviet and other references, photographs, diagrams, tables and maps.

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Mineralogy and Origin of Bauxites

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F-4

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Author : Polyakov, A. A.; Terent'yeva, K. I.

Inst : Not given.

Title : Cultivation of Anthrax Bacilli Subjected to the
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Orig Pub: Veterinariya, 1956, No 12, 77.

Abstract: Skin (18 samples) and 5 slabs contaminated with
Siberian ulcer bacteria were treated: first -
with a solution which consisted of 10% NaCl and
0.2-0.5% of a preparation of RL-59, and second -
with 1% H₂SO₄ and bleaching powder (5.18-5.4% of
active chlorine). Those test samples taken from
objects having passed through disinfection after
washing and neutralizing were cultivated in a

Card 1/2

39

USSR / Microbiology. Microbes Pathogenic for Man
and Animals. Bacteria. Aerobic Bacilli.

F-4

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Abstract: beef brain peptone medium as well as in a Kit-Tarotstsa broth under anaerobic conditions. Simultaneously, the same material was introduced to 46 mice. The animals survived. The growth of the Siberian anthrax rod was not found in the beef brain peptone mediums. Subcultures from the Tarotstsa and beef brain mediums in routine BPM and APM gave abundant growth. Mice contaminated with this culture perished from Siberian anthrax infection. The authors consider that in tests from disinfected objects suspected of contamination with Siberian anthrax bacteria, it is necessary to inoculate not only in routine mediums but also in the Kit-Tarotstsa medium. -- S. Ya. Feygina.

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Title : Diffusion of polystyrene fractions in toluene

Periodical : Dokl. AN SSSR, 96, Ed. 2. 323 - 326, May 1954

Abstract : Study was made to determine the concentration relation of diffusion of various polystyrene fractions in toluene. Molecular weights of the fractions were determined from viscosimetric measurements in toluene in accordance with formulas (4,5) for the characteristic viscosity η :

$$[\eta] = 1.6 - 10^{-4} \cdot M^{0.69}$$

The obtained values η and M are given in table. The method of measuring the rate of diffusion was no different from the one used by other authors. Twelve references; 6 USSR since 1945. Table, graphs.

Institution : Academy of Sciences USSR, Institute of Highmolecular Compounds

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